



Monitoring Program for Mercury in Precipitation in Indiana

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Data Summary for Fall 2000 through Winter 2003

(prepared June 2003)

Introduction

The data in this summary for Indiana are presented in 10 seasonal groups (fall 2000 through winter 2003) and in composite for 2001 and 2002. Three monitoring stations for mercury in precipitation in Indiana began operation during fall 2000. The stations at the Dunes Lakeshore and Huntington (Roush Lake) collected data during November and December 2000. The station at the Bloomington Airport collected data during late December 2000. The weekly data for fall 2000 have been finalized and are posted on the National Atmospheric Deposition Network (NADP) website [http://nadp.sws.uiuc.edu/mdn/in.asp]. The Clifty Falls station began operation in January 2001.

All four Indiana monitoring stations collected data during 2001, and data are presented in four seasonal groups —winter 2001 (January through March), spring 2001 (April through June), summer 2001 (July through September), and fall 2001 (October through December). The weekly data for all of 2001 have been finalized and are posted on the NADP website. All four Indiana monitoring stations collected data during 2002, and data are presented in four seasonal groups—winter 2002 (January through March), spring 2002 (April through June), summer 2002 (July though September), and fall (October through December). The weekly data for winter 2002 have been finalized and are posted on the NADP website. The spring, summer, and fall 2002 data are preliminary until final weekly data are posted on the NADP website. All four Indiana monitoring stations collected data during winter 2003 (January through March), and data are presented for one seasonal group. This data summary is planned to be updated periodically during 2003.

Terms, Units, and Calculations

This summary quantifies precipitation, mercury concentrations, and mercury deposition. The total amount of **precipitation** (in inches) was recorded by the rain gage at the monitoring station. Rain, snow, and mixtures of liquid and frozen precipitation were included. The concentrations (mass per volume of water) of total mercury and methylmercury were summarized from laboratory analysis of the weekly precipitation samples in the automated collector at the monitoring station. Total mercury includes inorganic and organic mercury. Methylmercury is the form of organic mercury reported as part of the total mercury. Methylmercury was analyzed separately because it is the form of mercury that accumulates in the aquatic food web. Concentration units are nanograms per liter (equivalent to one-thousandth microgram per liter and approximately one part per trillion). The median concentration is the value that separates the rank-ordered data into two parts—half of the concentrations were greater than the median and half of the concentrations were less than the median. The volume-weighted mean concentration is a sum of the adjusted weekly concentrations, based on the precipitation. To obtain the volume-weighted mean concentration, the weekly sample concentration was adjusted (multiplied) by the ratio of that week's precipitation to the total precipitation for the season. The weekly deposition (mass per unit area) is the amount of total mercury or methylmercury that theoretically fell to the ground in precipitation, based on the sample in the automated collector. Deposition was calculated by multiplying the weekly sample concentration by the adjusted weekly precipitation and converting to units of nanograms per square meter. Weekly precipitation was adjusted (multiplied) by the ratio of the area of precipitation-gage opening to the area of the automated-collector opening. The sum of the weekly deposition was calculated for each season and in composite for 2001 and 2002. Deposition per inch of precipitation was calculated as the sum of the weekly deposition divided by total precipitation.

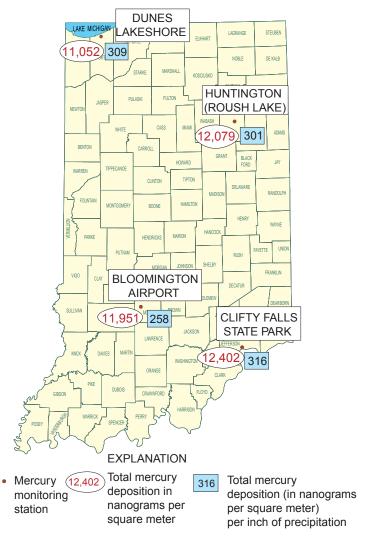


Figure 1. Annual total mercury deposition in precipitation in 2001 at four monitoring stations in Indiana.

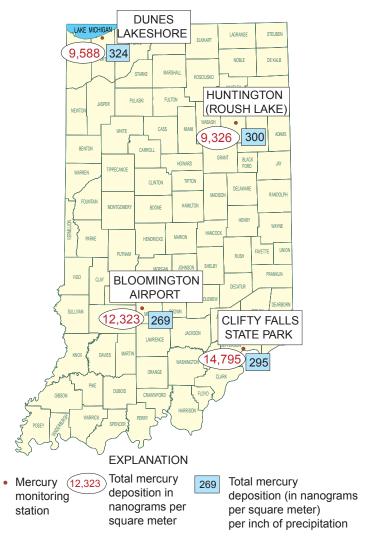


Figure 2. Annual total mercury deposition in precipitation in 2002 at four monitoring stations in Indiana.

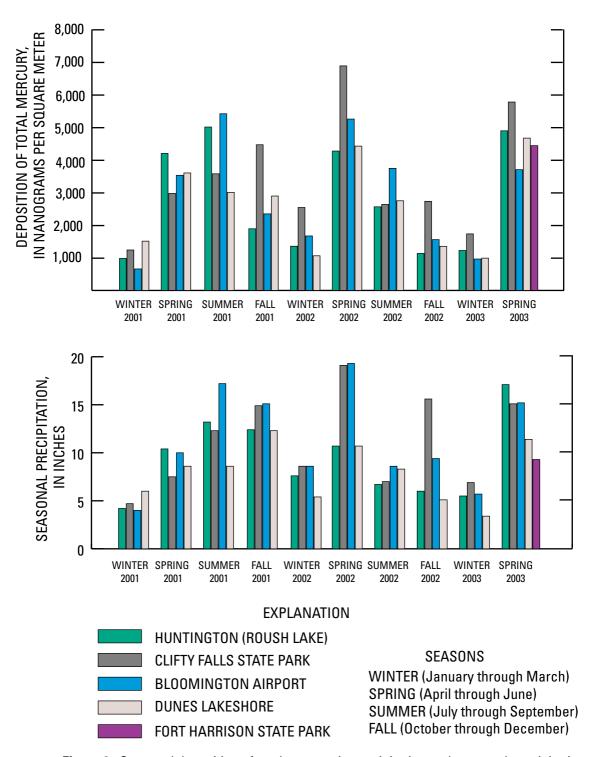
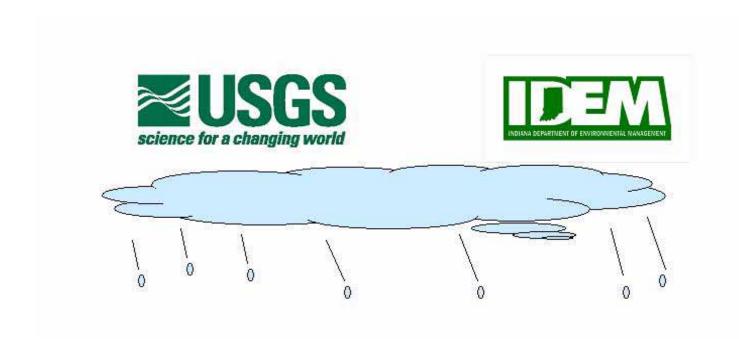


Figure 3. Seasonal deposition of total mercury in precipitation and seasonal precipitation at five monitoring stations in Indiana, January 2001 through June 2003.



Seasonal Data for Late 2000 and All of 2001

The following five tables present seasonal values for: total mercury/methylmercury median concentrations, total mercury/methylmercury deposition, methylmercury deposition as a percentage of total mercury deposition, and total mercury/methylmercury deposition per inch of precipitation.

FALL 2000 (November 1 through December 26, 2000)

	Huntington	Bloomington	Dunes
Total precipitation (inches)	4.9	0.67	4.5
Total mercury median concentration (nanograms per liter)	5.3	5.6	6.2
Total mercury volume-weighted mean concentration (nanograms per liter)	6.2	8.4	5.9
Total mercury sum of weekly deposition (nanograms per square meter)	772	95	673
Total mercury deposition per inch of precipitation (nanograms per square meter) ^a	157	142	151
Number of samples with wet deposition of total mercury	7	1	8
Methylmercury median concentration (nanograms per liter)	.07	.01	.04
Methylmercury volume-weighted mean concentration (nanograms per liter)	.06	.01	.05
Methylmercury sum of weekly deposition (nanograms per square meter)	7.5	.20	6.0
Methylmercury deposition per inch of precipitation (nanograms per square meter) ^a	1.5	.30	1.3
Number of samples with wet deposition of methylmercury	6	1	7
Ratio of methylmercury deposition to total mercury deposition (percent) ^b	1	.2	.9
National Atmospheric Deposition Program monitoring station identifier	IN20	IN28	IN34

^aCalculated with non-rounded values as seasonal sum of weekly deposition divided by seasonal precipitation.

^bRatio of methylmercury deposition to total mercury deposition calculated only for those samples analyzed for both total mercury and methylmercury.

WINTER 2001 (December 26, 2000, through March 27, 2001)

	Huntington	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	4.2	4.7	4.0	6.0
Total mercury median concentration (nanograms per liter)	8.1	10.2	7.6	11.2
Total mercury volume-weighted mean concentration (nanograms per liter)	8.9	11.0	6.3	9.8
Total mercury sum of weekly deposition (nanograms per square meter)	980	1,240	659	1,510 ^a
Total mercury deposition per inch of precipitation (nanograms per square meter) ^b	236	267	164	252
Number of samples with wet deposition of total mercury	9	11	12	13
Methylmercury median concentration (nanograms per liter)	.078	.080	.059	.071
Methylmercury volume-weighted mean concentration (nanograms per liter)	.050	.068	.056	.071
Methylmercury sum of weekly deposition (nanograms per square meter)	5.1	7.6	5.8	10.5
Methylmercury deposition per inch of precipitation (nanograms per square meter) ^b	1.2	1.6	1.4	1.8
Number of samples with wet deposition of methylmercury	6	9	7	9
Ratio of methylmercury deposition to total mercury deposition (percent) ^c	.52	.61	.88	.70
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

^aIncludes 1 week with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for this week by use of that week's valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

^bCalculated with non-rounded values as seasonal sum of weekly deposition divided by seasonal precipitation.

^cRatio of methylmercury deposition to total mercury deposition calculated only for those samples analyzed for both total mercury and methylmercury.

SPRING 2001 (March 27, 2001, through June 26, 2001)

	Huntington	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	10.4	7.5	10.0	8.6
Total mercury median concentration (nanograms per liter)	14.9	19.0	15.1	18.9
Total mercury volume-weighted mean concentration (nanograms per liter)	15.7	15.6	14.4	16.5
Total mercury sum of weekly deposition (nanograms per square meter)	4,200	2,974	3,530	3,603 ^a
Total mercury deposition per inch of precipitation (nanograms per square meter) ^b	403	397	354	418
Number of samples with wet deposition of total mercury	12	12	11	12
Methylmercury median concentration (nanograms per liter)	.050	.027	.025	.057
Methylmercury volume-weighted mean concentration (nanograms per liter)	.046	.052	.028	.062
Methylmercury sum of weekly deposition (nanograms per square meter)	13.3	9.4	6.8	13.5
Methylmercury deposition per inch of precipitation (nanograms per square meter) ^b	1.3	1.2	.68	1.6
Number of samples with wet deposition of methylmercury	12	6	10	11
Ratio of methylmercury deposition to total mercury deposition (percent) ^c	.32	.32	.19	.38
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

^aIncludes 2 weeks with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for these weeks by use of those weeks' valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples

^bCalculated with non-rounded values as seasonal sum of weekly deposition divided by seasonal precipitation.

^cRatio of methylmercury deposition to total mercury deposition calculated only for those samples analyzed for both total mercury and methylmercury.

SUMMER 2001 (June 26, 2001, through September 25, 2001)

	Huntington	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	13.2	12.3	17.2	8.6
Total mercury median concentration (nanograms per liter)	15.0	11.1	11.8	15.3
Total mercury volume-weighted mean concentration (nanograms per liter)	14.9	11.5	12.5	13.6
Total mercury sum of weekly deposition (nanograms per square meter)	5,009	3,575	5,416	3,004
Total mercury deposition per inch of precipitation (nanograms per square meter) ^a	379	292	315	351
Number of samples with wet deposition of total mercury	13	12	10	11
Methylmercury median concentration (nanograms per liter)	.021	.031	.011	.027
Methylmercury volume-weighted mean concentration (nanograms per liter)	.041	.027	.019	.033
Methylmercury sum of weekly deposition (nanograms per square meter)	13.8	8.1	8.2	7.3
Methylmercury deposition per inch of precipitation (nanograms per square meter) ^a	1.0	.66	.48	.85
Number of samples with wet deposition of methylmercury	10	7	8	9
Ratio of methylmercury deposition to total mercury deposition (percent) ^b	.27	.23	.15	.24
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

^aCalculated with non-rounded values as seasonal sum of weekly deposition divided by seasonal precipitation.

^bRatio of methylmercury deposition to total mercury deposition calculated only for those samples analyzed for both total mercury and methylmercury.

FALL 2001 (September 25, 2001, through December 26, 2001)

	Huntington	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	12.4	14.9	15.1	12.3
Total mercury median concentration (nanograms per liter)	6.3	9.4	7.3	7.1
Total mercury volume-weighted mean concentration (nanograms per liter)	6.0	12.1	6.1	9.2
Total mercury sum of weekly deposition (nanograms per square meter)	1,890	4,613 ^a	2,347	2,894 ^a
Total mercury deposition per inch of precipitation (nanograms per square meter) ^b	153	310	155	235
Number of samples with wet deposition of total mercury	12	11	12	13
Methylmercury median concentration (nanograms per liter)	.032	.017	.041	.015
Methylmercury volume-weighted mean concentration (nanograms per liter)	.038	.029	.022	.021
Methylmercury sum of weekly deposition (nanograms per square meter)	12.3	10.3	8.9	5.8
Methylmercury deposition per inch of precipitation (nanograms per square meter) ^b	.99	.69	.59	.47
Number of samples with wet deposition of methylmercury	11	9	11	11
Ratio of methylmercury deposition to total mercury deposition (percent) ^c	.65	.22	.25	.20
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

^aIncludes 1 week with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for this week by use of that week's valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples

^bCalculated with non-rounded values as seasonal sum of weekly deposition divided by seasonal precipitation.

^cRatio of methylmercury deposition to total mercury deposition calculated only for those samples analyzed for both total mercury and methylmercury.



Composite Data for 2001

Composite data were calculated for January through December 2001, excluding fall 2000, so that data from all four of the Indiana monitoring stations could be considered. The composite data summary for 2001 in the following table includes annual values for: total mercury/methylmercury median, minimum, and maximum concentrations; total mercury/methylmercury volume-weighted mean concentrations; the sum of total mercury/methylmercury weekly deposition; methylmercury deposition as a percentage of total mercury deposition; and total mercury/methylmercury deposition per inch of precipitation.

2001 COMPOSITE (December 26, 2000, through December 26, 2001)

	Huntington	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	40.2	39.3	46.3	35.8
Total mercury median concentration (nanograms per liter)	11.6	11.8	10.8	13.0
Total mercury volume-weighted mean concentration (nanograms per liter)	11.9	12.5	10.2	12.0
Total mercury minimum concentration (nanograms per liter)	2.3	2.76	3.7	2.4
Total mercury maximum concentration (nanograms per liter)	51.2	46.7	27.6	277 ^a
Total mercury annual sum of weekly deposition (nanograms per square meter)	12,079	12,402 ^b	11,951	11,052 ^c
Total mercury minimum weekly deposition (nanograms per square meter)	3.6	3.6	1.3	2.2
Total mercury maximum weekly deposition (nanograms per square meter)	1,098	1,703	1,178	1,447
Total mercury deposition per inch of precipitation (nanograms per square meter) ^d	301	316	258	309
Number of samples with wet deposition of total mercury	46	46	45	49
Methylmercury median concentration (nanograms per liter)	.035	.032	.029	.040
Methylmercury volume-weighted mean concentration (nanograms per liter)	.042	.038	.025	.042
Methylmercury minimum concentration (nanograms per liter) ^e	< R.L.	< R.L.	< R.L.	.004
Methylmercury maximum concentration (nanograms per liter)	.43	.47	.87	.28
Methylmercury annual sum of weekly deposition (nanograms per square meter)	44.6	35.4	29.8	38.0
Methylmercury minimum weekly deposition (nanograms per square meter)	.084	.005	.014	.001
Methylmercury maximum weekly deposition (nanograms per square meter)	4.8	3.2	3.0	3.3
Methylmercury deposition per inch of precipitation (nanograms per square meter) ^d	1.1	.9	.6	1.1
Number of samples with wet deposition of methylmercury	39	34	36	40
Ratio of methylmercury deposition to total mercury deposition (percent) ^f	.37	.29	.25	.34
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

Footnotes for 2001 Composite-Data Summary

^aConcentration in less than 0.03 inches precipitation yielded 2.2 nanograms per square meter total mercury deposition.

^bIncludes 1 week with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for this week by use of that week's valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

^cIncludes 3 weeks with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for these weeks by use of those weeks' valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

^dCalculated with non-rounded values as seasonal sum of weekly deposition divided by seasonal precipitation.

e<R.L. indicates concentration was less than the reporting limit, which varied from 0.003 to 0.021 nanograms per liter.

fRatio of methylmercury deposition to total mercury deposition calculated only for those samples analyzed for both total mercury and methylmercury.



Seasonal Data for 2002

The following four tables present seasonal values for: total mercury/methylmercury median concentrations, total mercury/methylmercury deposition, methylmercury deposition as a percentage of total mercury deposition, and total mercury/methylmercury deposition per inch of precipitation. Methylmercury monitoring was discontinued at the end of winter 2002.

WINTER 2002 (December 26, 2001, through March 26, 2002)

	Huntington	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	7.6	8.6	8.6	5.4
Total mercury median concentration (nanograms per liter)	7.1	9.6	6.9	12.4
Total mercury volume-weighted mean concentration (nanograms per liter)	6.6	11.7	8.3	7.2
Total mercury sum of weekly deposition (nanograms per square meter)	1,356	2,543	2,404 ^a	1,062
Total mercury deposition per inch of precipitation (nanograms per square meter) ^b	178	298	194	196
Number of samples with wet deposition of total mercury	13	12	11	13
Methylmercury median concentration (nanograms per liter)	.038	.047	.052	.047
Methylmercury volume-weighted mean concentration (nanograms per liter)	.034	.043	.051	.023
Methylmercury sum of weekly deposition (nanograms per square meter)	7.9 ^c	10.9	11.0	3.4
Methylmercury deposition per inch of precipitation (nanograms per square meter) ^b	1.11	1.28	1.28	1.14
Number of samples with wet deposition of methylmercury	7	12 ^d	10 ^c	8 ^d
Ratio of methylmercury deposition to total mercury deposition (percent) ^e	.62	.43	.66	.62
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

^aIncludes 1 week with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for this week by use of that week's valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

^bCalculated with non-rounded values as seasonal sum of weekly deposition divided by sum of precipitation for samples with methylmercury concentrations.

^cIncludes 1 week with estimated methylmercury deposition because precipitation data was valid and sample volume was adequate but data was invalid due to analytical problems. Methylmercury deposition was estimated for this week by use of that week's valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

^dIncludes 2 weeks with estimated methylmercury deposition because precipitation data was valid and sample volume was adequate but data was invalid due to analytical problems. Methylmercury deposition was estimated for this week by use of that week's valid precipitation data and the seasonal volume weighted mean concentration for the valid samples.

^eRatio of methylmercury deposition to total mercury deposition calculated only for those samples analyzed for both total mercury and methylmercury.

SPRING 2002 (March 26, 2002, through June 25, 2002)

	Huntington	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	10.7	19.1	19.3	10.7
Total mercury median concentration (nanograms per liter)	16.5	15.2	10.9	21.0
Total mercury volume-weighted mean concentration (nanograms per liter)	15.8	14.3	10.8	16.2
Total mercury sum of weekly deposition (nanograms per square meter)	4,273	6,883	5,352	4,424 ^a
Total mercury deposition per inch of precipitation (nanograms per square meter) ^b	399	361	277	412
Number of samples with wet deposition of total mercury	12	13	12	12
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

^aIncludes 1 week with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for this week by use of that week's valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

^bCalculated with non-rounded values as seasonal sum of weekly deposition divided by seasonal precipitation.

SUMMER 2002 (June 25, 2002, through September 24, 2002)

	Huntington	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	6.7	7.0	8.6	8.3
Total mercury median concentration (nanograms per liter)	12.4	14.8	11.1	12.1
Total mercury volume-weighted mean concentration (nanograms per liter)	15.1	15.6	16.9	13.9
Total mercury sum of weekly deposition (nanograms per square meter)	2,563	2,637	3,743	2,748
Total mercury deposition per inch of precipitation (nanograms per square meter) ^a	381	377	437	329
Number of samples with wet deposition of total mercury	11	9	8	9
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

^aCalculated with non-rounded values as seasonal sum of weekly deposition divided by seasonal precipitation.

FALL 2002 (September 24, 2002, through December 24, 2002)

	Huntington	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	6.0	15.6	9.4	5.1
Total mercury median concentration (nanograms per liter)	6.1	6.5	6.1	7.2
Total mercury volume-weighted mean concentration (nanograms per liter)	7.5	6.9	6.6	10.6
Total mercury sum of weekly deposition (nanograms per square meter)	1,134 ^a	2,732	1,558 ^a	1,353
Total mercury deposition per inch of precipitation (nanograms per square meter) ^b	189	175	169	266
Number of samples with wet deposition of total mercury	12	12	12	11
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

^aIncludes 1 week with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for this week by use of that week's valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

^bCalculated with non-rounded values as seasonal sum of weekly deposition divided by seasonal precipitation

2002 COMPOSITE (December 26, 2001, through December 24, 2002)

	Huntington	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	31.1	50.2	45.9	29.6
Total mercury median concentration (nanograms per liter)	9.5	12.7	8.8	11.4
Total mercury volume-weighted mean concentration (nanograms per liter)	15.5	11.7	10.8	13.0
Total mercury minimum concentration (nanograms per liter)	1.6	2.1	2.5	1.5
Total mercury maximum concentration (nanograms per liter)	71	119 ^a	77	578 ^b
Total mercury annual sum of weekly deposition (nanograms per square meter)	9,326 ^c	14,795	12,323 ^d	9,588 ^c
Total mercury minimum weekly deposition (nanograms per square meter)	1.7	5.2	3.0	.6
Total mercury maximum weekly deposition (nanograms per square meter)	1,049	1,281	1,069	1,419 ^e
Total mercury deposition per inch of precipitation (nanograms per square meter) ^f	300	295	269	324
Number of samples with wet deposition of total mercury	48	46	43	45
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

^aConcentration in less than 0.03 inches precipitation yielded 5.6 nanograms per square meter total mercury deposition.

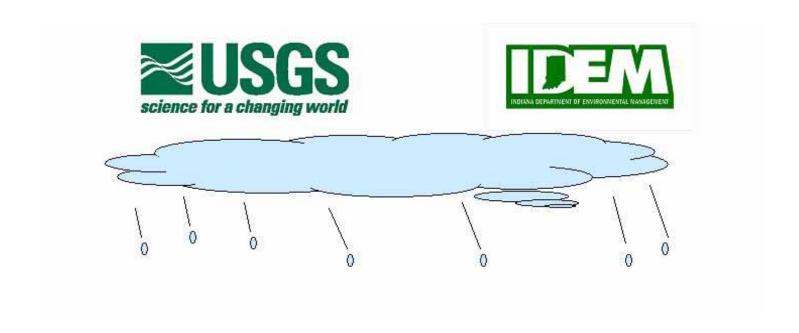
^bConcentration in less than 0.03 inches precipitation yielded 4.6 nanograms per square meter total mercury deposition.

^cIncludes one week with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for this week by use of that week's valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

^dIncludes two weeks with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for these weeks by use of those weeks' valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

^eComposite sample of two precipitation events totalling 4.15 inches.

^fCalculated with non-rounded values as seasonal sum of weekly deposition divided by seasonal precipitation.



Seasonal Data for 2003

The following table presents seasonal values for: total mercury median concentrations, total mercury volume-weighted mean concentrations, total mercury deposition, and total mercury deposition per inch of precipitation during winter 2003 (January through March).

WINTER 2003 (December 24, 2002 through March 25, 2003)

	Roush Lake ^a	Clifty Falls	Bloomington	Dunes
Total precipitation (inches)	5.5	6.9	5.7	3.4
Total mercury median concentration (nanograms per liter)	6.7	10.7	4.1	8.2
Total mercury volume-weighted mean concentration (nanograms per liter)	9.0	9.8	6.3	11.8
Total mercury sum of weekly deposition (nanograms per square meter)	1,225 ^b	1,733	963 ^c	990 ^d
Total mercury deposition per inch of precipitation (nanograms per square meter) ^e	223	251	169	291
Number of samples with wet deposition of total mercury	13	12	10	13
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN28	IN34

^aName of station officially changed from Huntington to Roush Lake in 2003.

^cIncludes one week with estimated deposition because precipitation data was valid but sample was invalid due to equipment malfunction. Deposition was estimated for this week by use of that week's valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

^dIncludes two weeks with estimated deposition because precipitation data was valid but samples were invalid due to equipment malfunction. Deposition was estimated for these weeks by use of those weeks' valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples

^eCalculated with non-rounded values, as seasonal sum of weekly deposition divided by seasonal precipitation.

^bIncludes three weeks with estimated deposition because precipitation data was valid but samples were invalid due to equipment malfunction. Deposition was estimated for these weeks by use of those weeks' valid precipitation data and the seasonal volume-weighted mean concentration for the valid samples.

SPRING 2003 (March 25, 2003 through June 24, 2003)

	Roush Lake ^a	Clifty Falls	Fort Harrison ^b	Bloomington	Dunes
Total precipitation (inches)	17.1	15.1	9.3	15.2	11.4
Total mercury median concentration (nanograms per liter)	13.2	13.8	14.1	11.5	16.9
Total mercury volume-weighted mean concentration (nanograms per liter)	11.5	15.0	18.6	9.7	16.0
Total mercury sum of weekly deposition (nanograms per square meter)	4,893	5,775	4,438	3,702	4,669
Total mercury deposition per inch of precipitation (nanograms per square meter) ^c	286	381	476	244	408
Number of samples with wet deposition of total mercury	11	13	10	11	11
National Atmospheric Deposition Program monitoring station identifier	IN20	IN21	IN26	IN28	IN34

^aName of station officially changed from Huntington to Roush Lake in 2003

^bNew monitoring station began operation in spring 2003.

^cCalculated with non-rounded values, as seasonal sum of weekly deposition divided by seasonal precipitation.